

Anti-HIF-2 alpha EPAS1 Rabbit Monoclonal Antibody

Catalog # ABO14062

Product Information

Application	WB, IF, ICC, FC
Primary Accession	Q99814
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid
Description	Anti-HIF-2 alpha EPAS1 Rabbit Monoclonal Antibody . Tested in WB, ICC/IF, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat.

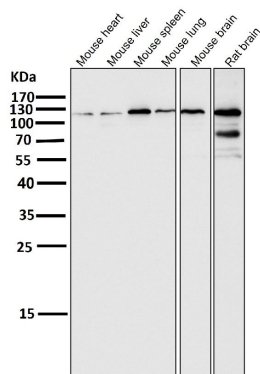
Additional Information

Gene ID	2034
Other Names	Endothelial PAS domain-containing protein 1, EPAS-1, Basic-helix-loop-helix-PAS protein MOP2, Class E basic helix-loop-helix protein 73, bHLHe73, HIF-1-alpha-like factor, HLF, Hypoxia-inducible factor 2-alpha, HIF-2-alpha, HIF2-alpha, Member of PAS protein 2, PAS domain-containing protein 2, EPAS1, BHLHE73, HIF2A, MOP2, PASD2
Calculated MW	96459
Application Details	WB 1:500-1:2000 ICC/IF 1:50-1:200 FC 1:50
Subcellular Localization	Nucleus. Nucleus speckle. Colocalizes with HIF3A in the nucleus and speckles..
Tissue Specificity	Expressed in most tissues, with highest levels in placenta, lung and heart. Selectively expressed in endothelial cells.
Source	Eukaryota
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150 mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5 mg/ml BSA.
Clone Names	Clone: ADD-5
Immunogen	A synthesized peptide derived from human HIF-2 alpha
Purification	Affinity-chromatography
Storage	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

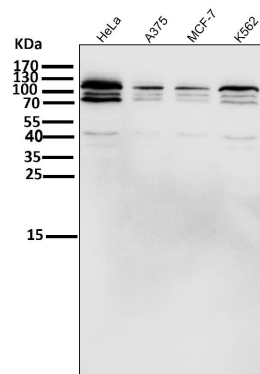
Protein Information

Name	EPAS1
Synonyms	BHLHE73, HIF2A, MOP2, PASD2
Function	Transcription factor involved in the induction of oxygen regulated genes. Heterodimerizes with ARNT; heterodimer binds to core DNA sequence 5'-TACGTG-3' within the hypoxia response element (HRE) of target gene promoters (By similarity). Regulates the vascular endothelial growth factor (VEGF) expression and seems to be implicated in the development of blood vessels and the tubular system of lung. May also play a role in the formation of the endothelium that gives rise to the blood brain barrier. Potent activator of the Tie-2 tyrosine kinase expression. Activation requires recruitment of transcriptional coactivators such as CREBBP and probably EP300. Interaction with redox regulatory protein APEX1 seems to activate CTAD (By similarity).
Cellular Location	Nucleus {ECO:0000250 UniProtKB:P97481, ECO:0000255 PROSITE-ProRule:PRU00981}. Nucleus speckle {ECO:0000250 UniProtKB:P97481}. Note=Colocalizes with HIF3A in the nucleus and speckles. {ECO:0000250 UniProtKB:P97481}
Tissue Location	Expressed in most tissues, with highest levels in placenta, lung and heart. Selectively expressed in endothelial cells

Images

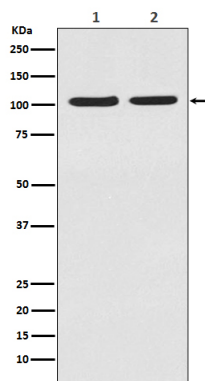
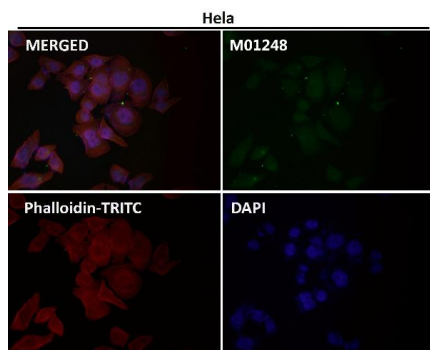


All lanes use the Antibody at 1:1K dilution for 1 hour at room temperature.



All lanes use the Antibody at 1:1K dilution for 1 hour at room temperature.

Immunofluorescent analysis using the Antibody at 1:50 dilution.



Western blot analysis of HIF-2 alpha in (1)MCF-7 cell lysate;(2)HeLa cell lysate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.